

Special Issue

Emerging 2D Material-Based Biosensors for Detecting Biological and Chemical Pollutants in Wastewater Systems

Message from the Guest Editors

In the recent times, we have witnessed rapid progress in the field of sensors and diagnostics through the advent of new materials entering the foray. Materials such as MXenes, Graphene, CNTs, and other 2D semiconducting materials have given multiple breakthroughs in-terms of sensitivity, selectivity and limit of detection. This special issue focusses on the use of various nanomaterials for sensing applications. Topics can include but not limited to 2D materials, quantum sensing, pollutant monitoring, effluent treatment monitoring, industrial waste monitoring, microbial detection and biomolecules detection. The evolution of characterization techniques into far more precise methodologies have rendered the exploration of the unforeseen properties of these new class of materials. Nanocomposites and complexes have also been vigorously looked in for potential applications relevant to the sensor technologies. As *Sensors* journal focusses on such rapidly evolving field at the interface of surface science, materials science, diagnostics and environmental monitoring, this special issue has the potential to showcase researchers who are developing sensor technology.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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